

CLAIMS

1. A directional coupler comprising:

a grounding electrode contained on one main surface of a substrate;

a line portion contained on the other main surface of the substrate and constituting a microstrip line together with the grounding electrode; and

a main line disposed so as to be coupled at high frequencies to a coupling line portion being a part of the line portion and be substantially in parallel to the coupling line portion,

wherein a notch portion, in which a part of the grounding electrode opposite to the coupling line portion through the substrate is cut in the width direction of the coupling line portion from the edge portion of the substrate so as to include at least the coupling line portion, is contained.

2. A directional coupler as claimed in claim 1, wherein notch portions of the grounding electrode are contained at both end portions in the length direction of the coupling line portion.

3. A directional coupler as claimed in claim 1, wherein the electric field strength generated between the coupling line portion and the grounding electrode is lower in the

notch portions of the grounding electrode than in the grounding electrode having no notch portion.

4. A directional coupler as claimed in claim 1, wherein the main line is the center conductor of a coaxial line.